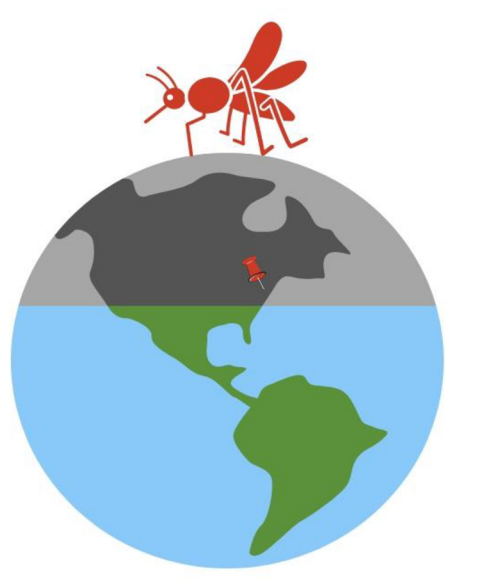


WILL IT AFFECT YOUR COMMUNITY?

Impacts of Eastern Equine Encephalitis at Worcester Polytechnic Institute

Presented By: Delaney Cox (ME), Mara DeCesare (PH), Morgan Hughes (AREN), Lily Kinne (AE), Jane Spear (ME)

Advisors: Geoffrey Pfeifer (HUA), Derren Rosbach (CEE), Eliza Smith (PLA)

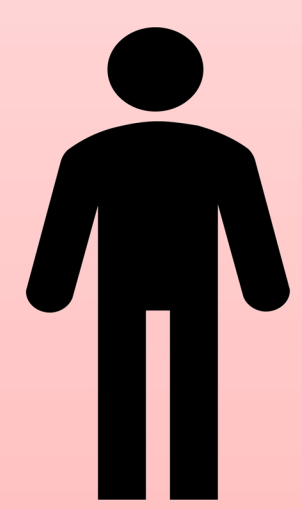


PROBLEM

The threat of Eastern Equine Encephalitis, EEE, caused the WPI Athletic Department to make changes to their programs which negatively impacted the varsity athletes. Additionally, individuals in the community had skewed perceptions of their risks regarding EEE.

GOAL

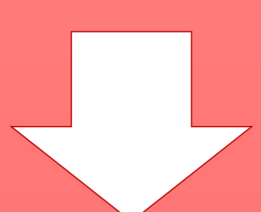
We want to help WPI Athletics and individuals to adapt more efficiently to the impacts and precautions that come with mosquito-borne illnesses (MBI) and prepare them for the future.



INDIVIDUAL SOLUTION

METHODS

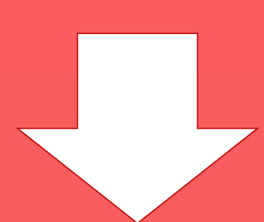
In order to learn how individuals could protect themselves against MBI, research was done on how individuals can protect themselves against mosquitoes. Research was then done on what the most effective way it would be to educate and reach out to students at WPI.



SOLUTION



- Weekly posts during peak mosquito season
- Discuss personal precautions at New Student Orientation



WHAT YOU CAN DO

- Apply Bug Spray
- Wear long sleeves and long pants
- Stay inside between dusk and dawn
- Eliminate still water

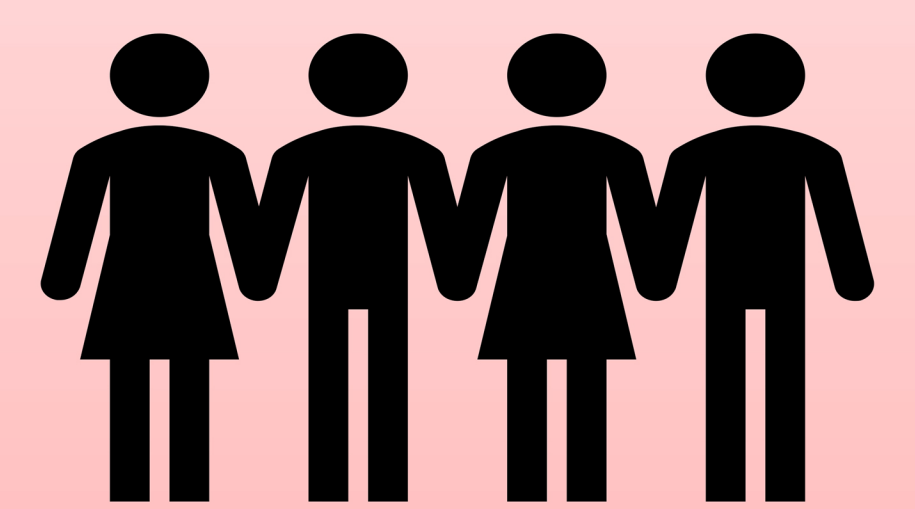


WHAT IS EEE?

Eastern Equine Encephalitis is a mosquito-borne illness that attacks the central nervous system, can lead to brain swelling, and in some cases be fatal.

EEE impacted the WPI athletic department and its athletes.

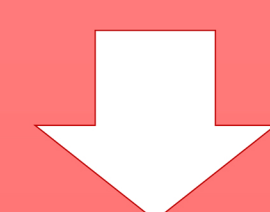
The individuals in the WPI community were notably uneducated about the risks of EEE and how they could protect themselves and stop the spread of EEE in a high-risk community.



COMMUNITY SOLUTION

METHODS

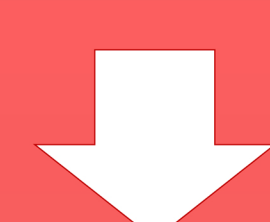
Members of the WPI community were contacted in order to learn how EEE was directly impacting our campus. In talking to the athletic director, Dana Harmon, we gained insight on the issues the athletic department was facing regarding adapting to the EEE outbreak.



SOLUTION

Insect Shield® Repellent Clothing

- Technology utilized by the United States Military
- Recommended by the Center for Disease Control and World Health Organization



COST BENEFIT ANALYSIS

COST

\$6.95 per piece of treated clothing

Bug repellent still necessary for exposed skin

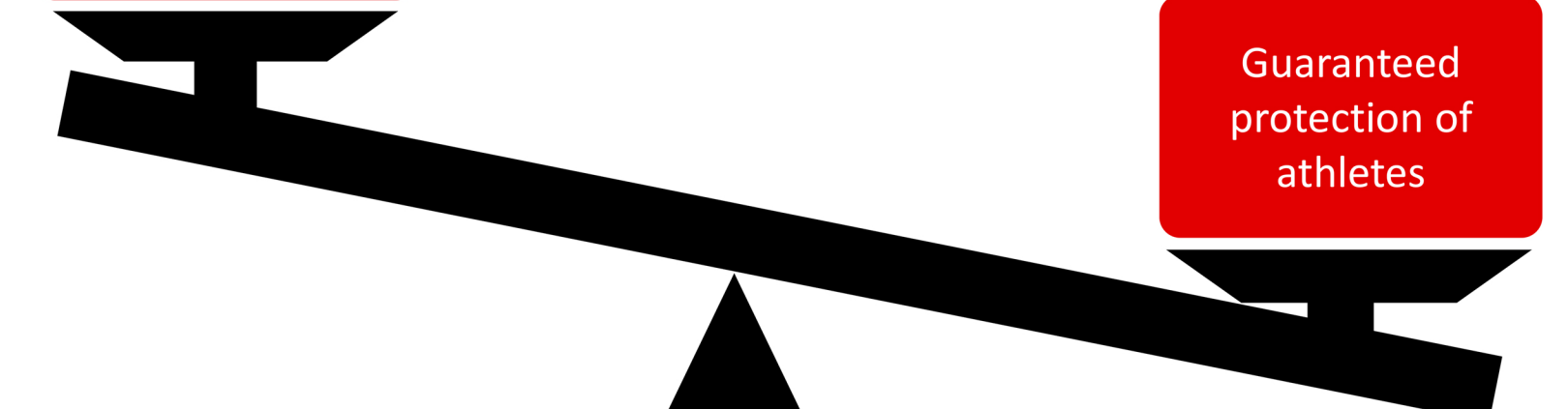
BENEFIT

Athletes could practice after dark

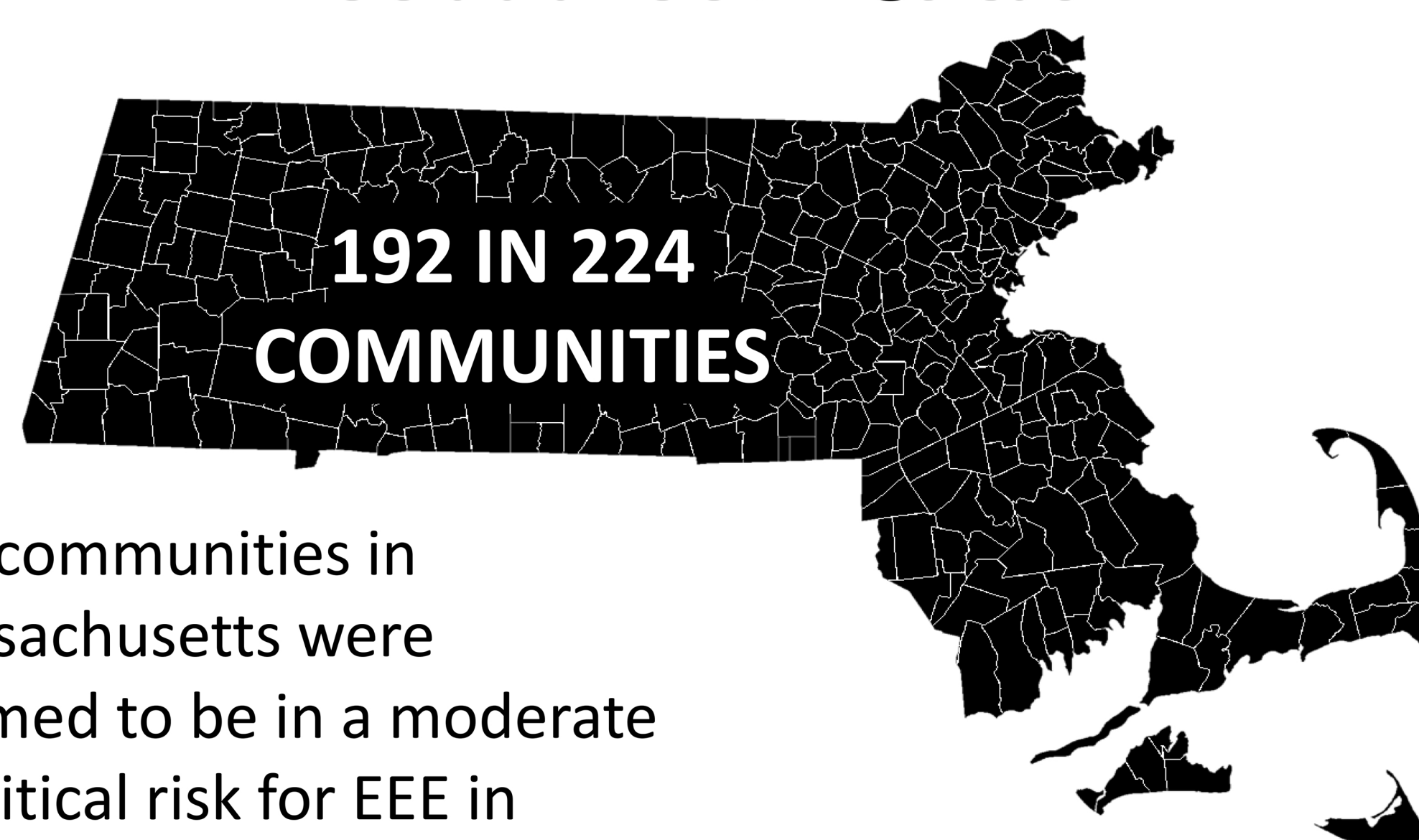
Also protects against ticks

Lifetime of the whole athletic season

Guaranteed protection of athletes



WHY WE CARE



MOVING FORWARD

Continuing to work with WPI Athletic Department

Formal Proposal of Solution

Implementation

REFERENCES

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